

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1612	authenticat\$ and robustness criteri\$	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/08 16:00
S2	8	authenticat\$ and robust\$ adj criteri\$	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/08 16:01
S3	1	authenticat\$ and robust\$ adj criteri\$ and @pd<="20040513"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/08 16:03
S4	2438	authenticat\$ same biometric and @pd<"20040513"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/08 16:07
S5	680	authenticat\$ same biometric and cryptograph\$ and @pd<"20040513"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/08 16:15
S6	711	authenticat\$3 same biometric and crypt\$8 and @pd<"20040513"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/09 07:22
S7	270	authenticat\$3 and biometric and crypt\$5 and @pd<"20040513"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/09 07:25
S8	725	(authentication or authenticated or authenticated) and (biometric) and (cryptographic and encryption) and @pd<"20040513"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/09 07:29
S9	0	generating authentication data for authenticating a physical object.dlm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/09 07:45

S10	0	authenticating a physical object.dlm.	US-PGPUB; USPAT; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/09 07:46
S11	950	physical object.dlm.	US-PGPUB; USPAT; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/09 07:47
S12	1	"20070044139".pn.	DERWENT	ADJ	ON	2008/07/09 11:47
S13	1	"5291560".pn.	DERWENT	ADJ	ON	2008/07/09 15:08
S14	1	"5291560".pn.	US-PGPUB; USPAT	ADJ	ON	2008/07/09 15:23
S15	0	"2002/029341".pn.	USPAT	ADJ	ON	2008/07/09 15:54
S16	1	"0029341".pn.	USPAT	ADJ	ON	2008/07/09 15:56
S17	0	@pd="20020307" and frykholm-nikas.in.	USPAT	ADJ	ON	2008/07/09 16:06
S18	1	@pd="20020307" and frykholm-nikas.in.	US-PGPUB; USPAT	ADJ	ON	2008/07/09 16:06
S19	0	wo1998/12670.pn.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO	ADJ	ON	2008/07/09 16:36
S20	26	borza-stephen-j.in.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO	ADJ	ON	2008/07/09 16:38
S22	0	WC/1998/012670.ptpn.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO	ADJ	ON	2008/07/09 16:47
S24	0	WC/1998/012670.ptan.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO	ADJ	ON	2008/07/09 16:48
S25	20	borza-stephen\$.in. or freedman-gordan\$.in. and (biometric identification system).ti.	US-PGPUB; USPAT	ADJ	ON	2008/07/10 09:32
S26	20	borza-stephen\$.in. or freedman-gordan\$.in. and (biometric identification system).ti.	US-PGPUB; USPAT	OR	ON	2008/07/10 09:32
S27	26	borza-stephen\$.in. or freedman-gordan\$.in. and (biometric identification system).ti.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/10 09:32

S28	20	(tuyls-pim or denteneer-theodorus\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 09:21
S29	21	(tuyls-pim or denteneer-theodorus\$ or Linnartz-Johan).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 09:21
S30	25	(tuyls-pim or denteneer-theodorus\$ or Linnartz-Johan or verbitskiy-evgeny).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 09:35
S31	11303	koninklijke adj philips electronics.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 09:47
S32	1	S29 not S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 09:49
S33	4	S30 not S29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 09:50
S34	0	koninklijke adj philips electronics.as. and authentication data generation method.ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 09:54
S35	1	koninklijke adj philips electronics.as. and authentication data.ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 09:55

S36	0	(authentication or authenticating or authenticated) adj (system or method or module or application or software or program or device or apparatus) and (robustness or robust) adj criterion and signal?to?noise?ratio and @FD<="20030521"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 11:08
S37	34976	(authentication or authenticating or authenticated) adj (system or method or module or application or software or program or device or apparatus) or (robustness or robust) adj criterion and signal?to?noise?ratio and @FD<="20030521"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 11:09
S38	1	(authentication or authenticating or authenticated) adj (system or method or module or application or software or program or device or apparatus) and (robustness or robust) adj criterion and signal?to?noise?ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 11:10
S39	1	(authentication or authenticating or authenticated) adj (system or method or module or application or software or program or device or apparatus) and (robustness or robust) and signal?to?noise?ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 11:13
S40	2827	(authentication or authenticating or authenticated) adj (system or method or module or application or software or program or device or apparatus) and (robustness or robust)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 11:14
S41	461	(authentication or authenticating or authenticated) adj (system or method or module or application or software or program or device or apparatus) and (robustness or robust) and @pd<"20030221"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 11:15

S42	81	(authentication or authenticating or authenticated) adj (system or method or module or application or software or program or device or apparatus) and (robustness or robust) and @pd<"20030221" and 380/,713/,726/.cls.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/14 11:24
S43	1502	(380/277).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/14 11:34
S46	1038	(380/44).CCLS	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/14 11:37
S47	101157	authentikat\$4	US-PGPUB; USPAT	AND	ON	2008/07/22 08:46
S48	2438	(authentikat\$4 NEAR (method OR system OR mode) SAME biometric\$2)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/22 08:55
S49	0	(authentikat\$4 NEAR (method OR system OR mode) SAME biometric\$2) AND ("380".cls. OR "713".cls. OR "726".cls.)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/22 08:55
S50	727	(authentikat\$4 NEAR (method OR system OR mode) SAME biometric\$2) AND ("380".cls. OR "713".cls. OR "726".cls.)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/22 08:56
S51	0	(authentikat\$4 NEAR (method OR system OR mode) SAME biometric\$2) AND ("380".cls. OR "713".cls. OR "726".cls.) AND (signal noise ration)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/22 09:05
S52	0	(authentikat\$4 NEAR (method OR system OR mode) SAME biometric\$2) AND ("380".cls. OR "713".cls. OR "726".cls.) AND (signal\$1noise\$1ration)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/22 09:06
S53	0	(authentikat\$4 NEAR (method OR system OR mode) SAME biometric\$2) AND ("380".cls. OR "713".cls. OR "726".cls.) AND (signal\$1noise)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/22 09:06

S54	0	(authentica\$4 NEAR (method OR system OR mode) SAME biometric\$2) AND ("380".clas. OR "713".clas. OR "726".clas.) AND (help\$1 data)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/22 09:08
S55	18	((robust\$4) SAME biometric \$2) AND ("380".clas. OR "713".clas. OR "726".clas.) AND (signal\$1 noise\$1 ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/22 09:32
S56	60	authentica\$4 SAME (signal\$1 noise\$1 ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/22 09:45
S57	0	authentica\$4 SAME (signal\$1 noise\$1 ratio) AND ("380", "713", "726").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/22 11:06
S58	0	("2007/0044139").URPN.	USPAT	AND	ON	2008/07/22 11:07
S59	0	("2007/0044139").URPN.	USPAT	AND	ON	2008/07/22 11:08
S60	3	(authentication system with measurement procedure) AND ("380", "713", "726").clas.	USPAT	AND	ON	2008/07/22 11:26
S64	0	(cryptograph\$2 WITH one \$1 way\$1 function).dm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/22 16:35
S66	0	(cryptograph\$3 SAME one \$1 way\$1 function).dm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/22 16:35
S67	0	(cryptograph\$3 AND one \$1 way\$1 function).dm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/22 16:35

S68	0	(cryptographic function AND one\$1way\$1function).dm.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/22 16:36
S69	528	(one way function).dm.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/22 16:37
S70	63	(cryptograph\$2 WITH one way function).dm.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/22 16:37
S71	5468	physical undoneable function OR PUF or authentication protocol	US-PGPUB; USPAT	ADJ	ON	2008/07/24 14:20
S72	2151	S71 AND ("380".das. OR "713".das. OR "726".das.)	US-PGPUB; USPAT	AND	ON	2008/07/24 14:24
S73	2151	S72 and authenticat\$3	US-PGPUB; USPAT	AND	ON	2008/07/24 14:25
S74	319	S72 and robust\$4	US-PGPUB; USPAT	AND	ON	2008/07/24 14:26
S75	0	("2007/0044139").URPN.	USPAT	AND	ON	2008/07/28 13:30
S76	612	726/2.ccls.	USPAT	AND	ON	2008/07/28 13:38
S77	5	S76 and (generat\$4 near (authentication data))	USPAT	ADJ	ON	2008/07/28 14:08
S78	0	DAUGMAN-JOHN?.IN.	USPAT	ADJ	ON	2008/07/28 16:05
S79	2	DAUGMAN.IN.	US-PGPUB	ADJ	ON	2008/07/28 16:06
S80	8	DAUGMAN.IN.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/28 16:09

S81	140351	((physical (undone OR undoneable) function) OR PUF) OR (authentication\$3 protocol\$1) OR (generat\$3 authentication data) OR (robust\$4 propt\$3) OR (biotech OR biotechnolog\$3) OR (noise\$1 contract OR noise\$1contracting) OR (encryption algorithm\$1) OR (hash\$1key or hash\$1key value) OR (digital signature) OR (image analysis algorithm)	US-PGPUB; USPAT	ADJ	ON	2008/07/29 08:38
S82	140473	((physical (undone OR undoneable) function\$2) OR PUF) OR (authentication\$3 protocol\$1) OR (generat\$3 NEAR (authentication\$3 data)) OR (robust\$4 propt\$3) OR (biotech OR biotechnolog\$3) OR (noise\$1 contract OR noise\$1 contracting) OR (encrypt\$3 algorithm) OR (hash\$1key or hash\$1key value) OR (digital signature) OR (image analy\$4 algorithm)	US-PGPUB; USPAT	ADJ	ON	2008/07/29 08:50
S83	24048	((physical (undone OR undoneable) function\$2) OR PUF) OR (authentication\$3 protocol\$1) OR (generat\$3 NEAR (authentication\$3 data)) OR (robust\$4 propt\$3)OR (noise\$1 contract OR noise\$1 contracting) OR (encrypt\$3 algorithm) OR (hash\$1key or hash\$1key value) OR (digital signature) OR (image analy\$4 algorithm) AND (biotech OR biotechnolog\$3)	US-PGPUB; USPAT	ADJ	ON	2008/07/29 08:52
S84	23747	((physical (undone OR undoneable) function\$2) OR PUF) OR (authentication\$3 protocol\$1) OR (generat\$3 NEAR (authentication\$3 data)) OR (noise\$1 contract OR noise\$1 contracting) OR (encrypt\$3 algorithm) OR (hash\$1key or hash\$1key value) OR (digital signature) OR (image analy\$4 algorithm) AND (biotech OR biotechnolog\$3) AND (robust\$4 propt\$3)	US-PGPUB; USPAT	ADJ	ON	2008/07/29 08:54



S85	0	(726/2 726/9 726/20 369/24.01,29.01-29.02 711/100 713/168-170,172). CCLS.	US-PGPUB; USPAT	AND	ON	2008/07/29 08:59
S86	7585	(726/2 726/9 726/20 369/24.01,29.01-29.02 711/100 713/168-170,172). CCLS.	US-PGPUB; USPAT	AND	ON	2008/07/29 08:59
S87	4267	(726/2 726/9 726/20 369/24.01,29.01-29.02 711/100 713/168-170,172). CCLS. AND ((authentica\$3 protocol\$1) OR (generat\$3 authentication data) OR (biotech OR biotechnolog\$3) OR (noise\$1contract OR noise \$1contracting) OR (encryption algorithm\$1) OR (hash\$1key or hash\$1key value) OR (digital signature) OR (image analysis algorithm))	US-PGPUB; USPAT	AND	ON	2008/07/29 09:02
S88	3014	(726/2 726/9 726/20 369/24.01,29.01-29.02 711/100 713/168-170,172). CCLS. AND ((authentica\$3 protocol\$1) OR (generat\$3 authentication data) AND (biotech OR biotechnolog\$3) AND (noise\$1contract OR noise\$1contracting) AND (encryption algorithm\$1) OR (hash\$1key or hash\$1key value) AND (digital signature) OR (image analysis algorithm))	US-PGPUB; USPAT	AND	ON	2008/07/29 09:03
S89	0	(726/2 726/9 726/20 369/24.01,29.01-29.02 711/100 713/168-170,172). CCLS. AND ((authentica\$3 protocol\$1) AND (generat\$3 authentication data) AND (biotech OR biotechnolog\$3) AND (noise\$1contract OR noise\$1contracting) AND (encryption algorithm\$1) AND (hash\$1key or hash \$1key value) AND (digital signature) AND (image analysis algorithm))	US-PGPUB; USPAT	AND	ON	2008/07/29 09:04

S90	571	(726/2 726/9 726/20 369/24.01,29.01-29.02 711/100 713/168-170,172). CCLS. AND ((authenticat\$3 protocol\$1) OR (generat\$3 authenticat\$3 data) AND (biotech OR biotechnolog\$3) AND (noise\$1contract OR noise\$1contracting) AND (encryption algorithm\$1) AND (hash\$1key or hash \$1key value) AND (digital signature) AND (image analysis algorithm))	US-PGPUB; USPAT	ADJ	ON	2008/07/29 09:05
S91	0	(726/2 726/9 726/20 369/24.01,29.01-29.02 711/100 713/168-170,172). CCLS. AND ((authenticat\$3 protocol\$1) AND (generat\$3 authenticat\$3 data) AND (biotech OR biotechnolog\$3) AND (noise\$1contract OR noise\$1contracting) AND (encryption algorithm\$1) AND (hash\$1key or hash \$1key value) AND (digital signature) AND (image analysis algorithm))	US-PGPUB; USPAT	ADJ	ON	2008/07/29 09:05
S92	571	(726/2 726/9 726/20 369/24.01,29.01-29.02 711/100 713/168-170,172). CCLS. AND ((authenticat\$3 protocol\$1) OR (generat\$3 authenticat\$3 data) AND (biotech OR biotechnolog\$3) AND (noise\$1 NEAR4 contract \$3) AND (encryption algorithm\$1) AND (hash \$1key or hash\$1key value) AND (digital signature) AND (image analysis algorithm))	US-PGPUB; USPAT	ADJ	ON	2008/07/29 09:06
S93	571	(726/2 726/9 726/20 369/24.01,29.01-29.02 711/100 713/168-170,172). CCLS. AND ((authenticat\$3 protocol\$1) OR (generat\$3 NEAR5 (authenticat\$3 data)) AND (biotech OR bio\$1 technolog\$3) AND (noise\$1 NEAR4 contract\$3) AND (encryption NEAR2 algorithm \$1) AND (hash\$1key or hash \$1key value) AND (digital signature) AND (image analysis algorithm))	US-PGPUB; USPAT	ADJ	ON	2008/07/29 09:21
S94	1065	713/186.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/07/29 14:50

S95	624	713/186.cds. AND (biometric OR biotech\$6) And (authenticat\$3)	US-PGPUB; USPAT	ADJ	ON	2008/07/29 14:59
S96	0	("2006/0047970").URPN.	USPAT	AND	ON	2008/07/30 07:16
S97	1	"6401206".pn.	US-PGPUB; USPAT	AND	ON	2008/07/30 11:49
S99	0	"10056982".ap.	US-PGPUB; USPAT	AND	ON	2008/07/30 15:30
S100	5	"056982".ap.	US-PGPUB; USPAT	AND	ON	2008/07/30 15:31
S101	0	(tokens identification system for authorization\$).ti.	US-PGPUB; USPAT	ADJ	ON	2008/07/30 15:49
S102	1	"056982".apn.	US-PGPUB; USPAT	AND	ON	2008/07/30 15:52
S103	0	"10056982".apn.	US-PGPUB; USPAT	AND	ON	2008/07/30 15:53
S104	0	"10056982".ap.	US-PGPUB; USPAT	AND	ON	2008/07/31 07:21
S105	5	"056982".ap.	US-PGPUB; USPAT	AND	ON	2008/07/31 07:21
S106	0	hoffman-ned-\$ .in.	US-PGPUB; USPAT	AND	ON	2008/07/31 07:25
S107	152	hoffman-n\$.in.	US-PGPUB; USPAT	AND	ON	2008/07/31 07:25
S108	42	hoffman-n\$.in. and Tokenless	US-PGPUB; USPAT	AND	ON	2008/07/31 07:26
S109	0	"0105725".ap.	US-PGPUB; USPAT	AND	ON	2008/07/31 07:36
S110	5	"105725".ap.	US-PGPUB; USPAT	AND	ON	2008/07/31 07:36
S111	0	"US-20030105725-A1.did"	US-PGPUB; USPAT	AND	ON	2008/07/31 07:38
S112	0	"US-20030105725-A\$.did"	US-PGPUB; USPAT	AND	ON	2008/07/31 07:38
S113	0	"US-20030105725-A\$.did"	US-PGPUB; USPAT; DERWENT	AND	ON	2008/07/31 07:38
S114	2	US-20030105725-A\$.did.	US-PGPUB; USPAT; DERWENT	AND	ON	2008/07/31 07:39
S115	6	"241374".ap.	US-PGPUB; USPAT; DERWENT	AND	ON	2008/07/31 08:01
S120	180	713/186.cds. AND @ad<"20030521" AND (sampl \$3 OR vector OR (data adj point)) AND biometric	US-PGPUB; USPAT	ADJ	ON	2008/07/31 09:52
S121	1	"6697947".pn.	US-PGPUB; USPAT	ADJ	ON	2008/07/31 10:57

S122	1	"6535622".pn.	US-PGPUB; USPAT	ADJ	ON	2008/07/31 11:13
S123	379	713/186.ccls. AND @ad<"20030521" AND (biometric or finger\$1 print)	US-PGPUB; USPAT	ADJ	ON	2008/07/31 11:44
S126	1	"6411728".pn.	US-PGPUB; USPAT	ADJ	ON	2008/07/31 11:49
S127	1	713/186.ccls. AND @ad<"20030521" AND (finger \$1 print near4 select\$3)	US-PGPUB; USPAT	ADJ	ON	2008/07/31 11:54
S128	1	"6314196".pn.	US-PGPUB; USPAT	ADJ	ON	2008/07/31 16:05
S132	6	"557628".ap.	US-PGPUB; USPAT	ADJ	ON	2008/08/01 08:28
S133	1	"6314196".pn.	US-PGPUB; USPAT	ADJ	ON	2008/08/04 07:20
S134	319	(382/125).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/05 15:39
S135	301	382/125.ccls. AND fingerprint	US-PGPUB; USPAT	AND	ON	2008/08/05 15:41
S136	15	382/125.ccls. AND fingerprint and (noise near signal)	US-PGPUB; USPAT	AND	ON	2008/08/05 15:42
S137	1	"5717786".pn.	US-PGPUB; USPAT	AND	ON	2008/08/06 12:59
S138	35141	(enhanc\$3 OR refin\$3 OR improv\$3) WITH ((signal NEAR3 noise NEAR3 ratio) OR (signal NEAR quality))	US-PGPUB; USPAT	ADJ	ON	2008/08/06 14:06
S139	110	(enhanc\$3 OR refin\$3 OR improv\$3) WITH ((signal NEAR3 noise NEAR3 ratio) OR (signal NEAR quality)) SAME (subset)	US-PGPUB; USPAT	ADJ	ON	2008/08/06 14:07
S140	68	S139 AND @AD<"20030521"	US-PGPUB; USPAT	ADJ	ON	2008/08/06 14:51
S141	46	(enhanc\$3 OR refin\$3 OR improv\$3) WITH ((signal NEAR3 noise NEAR3 ratio) OR (signal NEAR quality)) WITH (transfer function)	US-PGPUB; USPAT	ADJ	ON	2008/08/06 15:56
S142	2633	(enhanc\$3 OR refin\$3 OR improv\$3) WITH ((signal NEAR3 noise NEAR3 ratio) OR (signal NEAR quality)) WITH (filter)	US-PGPUB; USPAT	ADJ	ON	2008/08/06 16:12
S143	1830	S142 AND @AD<"20030521"	US-PGPUB; USPAT	AND	ON	2008/08/06 16:14
S144	3	S143 AND (finger adj print)	US-PGPUB; USPAT	AND	ON	2008/08/06 16:46

S145	2634	(enhanc\$3 OR refin\$3 OR improv\$3) WITH ((signal NEAR3 noise NEAR3 ratio) OR (signal NEAR quality)) WITH (filter)	US-PGPUB; USPAT	ADJ	ON	2008/08/07 08:12
S146	1830	S145 AND @AD<"20030521"	US-PGPUB; USPAT	AND	ON	2008/08/07 08:12
S147	2084	(enhanc\$3 OR refin\$3 OR improv\$3) WITH ((signal NEAR3 noise NEAR3 ratio) OR (signal NEAR quality) OR SNR) WITH (filter OR transformation) AND @AD<"20030521"	US-PGPUB; USPAT	AND	ON	2008/08/07 08:21
S148	424	S147 AND (finger\$1 print OR face OR palm OR iris OR biotech)	US-PGPUB; USPAT	AND	ON	2008/08/07 08:25
S149	18	(enhanc\$3 OR refin\$3 OR improv\$3) WITH ((signal NEAR3 noise NEAR3 ratio) OR (signal NEAR quality) OR SNR) WITH (filter OR transformation) SAME (finger \$1 print OR face OR palm OR iris OR biotech) AND @AD<"20030521"	US-PGPUB; USPAT	AND	ON	2008/08/07 08:28
S152	67	(enhanc\$3 OR refin\$3 OR improv\$3) WITH ((signal NEAR3 noise NEAR3 ratio) OR (signal NEAR quality OR quality) OR SNR) WITH (filter OR transformation) SAME (finger\$1 print OR face OR palm OR iris OR biotech) AND @AD<"20030521"	US-PGPUB; USPAT	AND	ON	2008/08/07 08:40
S153	0	L11-L8	US-PGPUB; USPAT	AND	ON	2008/08/07 08:43
S154	49	S152 not S149	US-PGPUB; USPAT	AND	ON	2008/08/07 08:43
S155	1	"5799098".pn.	US-PGPUB; USPAT	AND	ON	2008/08/07 08:56
S157	4	"382"/\$.ccls. AND (finger\$ print) with (linear near (transformation) OR filter)	US-PGPUB; USPAT	ADJ	ON	2008/08/07 10:11
S158	0	"382"/\$.ccls. AND (finger\$ print) SAME (linear near4 function) SAME (transformation OR filter)	US-PGPUB; USPAT	ADJ	ON	2008/08/07 10:13
S159	0	"382"/\$.ccls. AND (finger\$ print) SAME (linear near4 function) AND (transformation OR filter)	US-PGPUB; USPAT	ADJ	ON	2008/08/07 10:14

S160	5	"382"/\$.ccls. AND (finger\$ print) AND (linear near4 function) AND (transformation OR filter)	US-PGPUB; USPAT	ADJ	ON	2008/08/07 10:14
S162	1	"6035398".pn.	US-PGPUB; USPAT	AND	ON	2008/08/07 10:20
S163	1	"6233348".pn.	US-PGPUB; USPAT	AND	ON	2008/08/07 11:00
S164	1	"5799098".pn.	US-PGPUB; USPAT	AND	ON	2008/08/07 11:09
S165	1	("4947442").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/08/07 11:10
S166	20	("5799098").URPN.	USPAT	AND	ON	2008/08/07 11:10
S167	1	"6466686".pn.	USPAT	AND	ON	2008/08/07 11:26
S170	2	"557628".apn.	US-PGPUB; USPAT	AND	ON	2008/08/07 12:38
S171	13	linear transformation with low pass	US-PGPUB; USPAT	ADJ	ON	2008/08/07 16:48
S172	5	linear transformation with noise reduction	US-PGPUB; USPAT	ADJ	ON	2008/08/07 16:52

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